



# South Carolina Climate, Energy & Commerce Advisory Committee

AFW Technical Working Group  
Waste Management Sub-group  
Meeting #9

January 22, 2008

Office of the Governor  
The Center for Climate Strategies

# Agenda

- Call to order and roll call
- Review and approval of previous call summary
- Presentation of Quantification Methodology and Baseline Data
- Discussion and Recommendations for the Draft South Carolina Emissions Inventory & Forecast
- Date, time, & agenda items for next meeting
- Public Input and Announcements

# Stepwise Planning Process

1. Develop inventory and forecast of emissions
2. Identify a full range of possible actions
3. Identify initial priorities for analysis
4. Develop straw proposals
5. Quantify GHG reductions and costs/savings
6. Evaluate externalities, feasibility issues
7. Develop alternatives to address barriers
8. Aggregate results
9. Iterate to final agreements
10. Finalize and report recommendations

# Quantification of Options

- Review of general methodology and baseline data
- See AFW Policy Options Document
  - Posted online and distributed via e-mail

# Next Steps: TWG Input

- TWG Members who have not yet done so, are asked to provide text for the following sections:
  - **\*\*Implementation Mechanisms\*\***
  - Related Policies/Programs in Place
  - Key Uncertainties
  - Additional Benefits and Costs
  - Feasibility Issues

# Next Steps: Development of Priority Policy Options

- Design Template / Matrix
  - Policy description
  - Policy design (derived from design options matrix)
  - Potential implementation mechanisms
  - Related policies/programs in place
  - Type(s) of GHG reductions
  - Estimated GHG savings and cost per MTCO<sub>2e</sub>
  - Key uncertainties
  - Types of additional (non-GHG) benefits and or costs
  - Description of feasibility issues, if needed
  - Status of group approval
  - Level of group support
  - Barriers to consensus

# Next Steps: Dates for Remaining CECAC and TWG Meetings

## **Scheduled CECAC Meetings:**

- Meeting #5: Friday, February 22, 2008
- Meeting #6: Friday, May 9, 2008
  - Meeting Time: 10:00 am – 5:00 pm

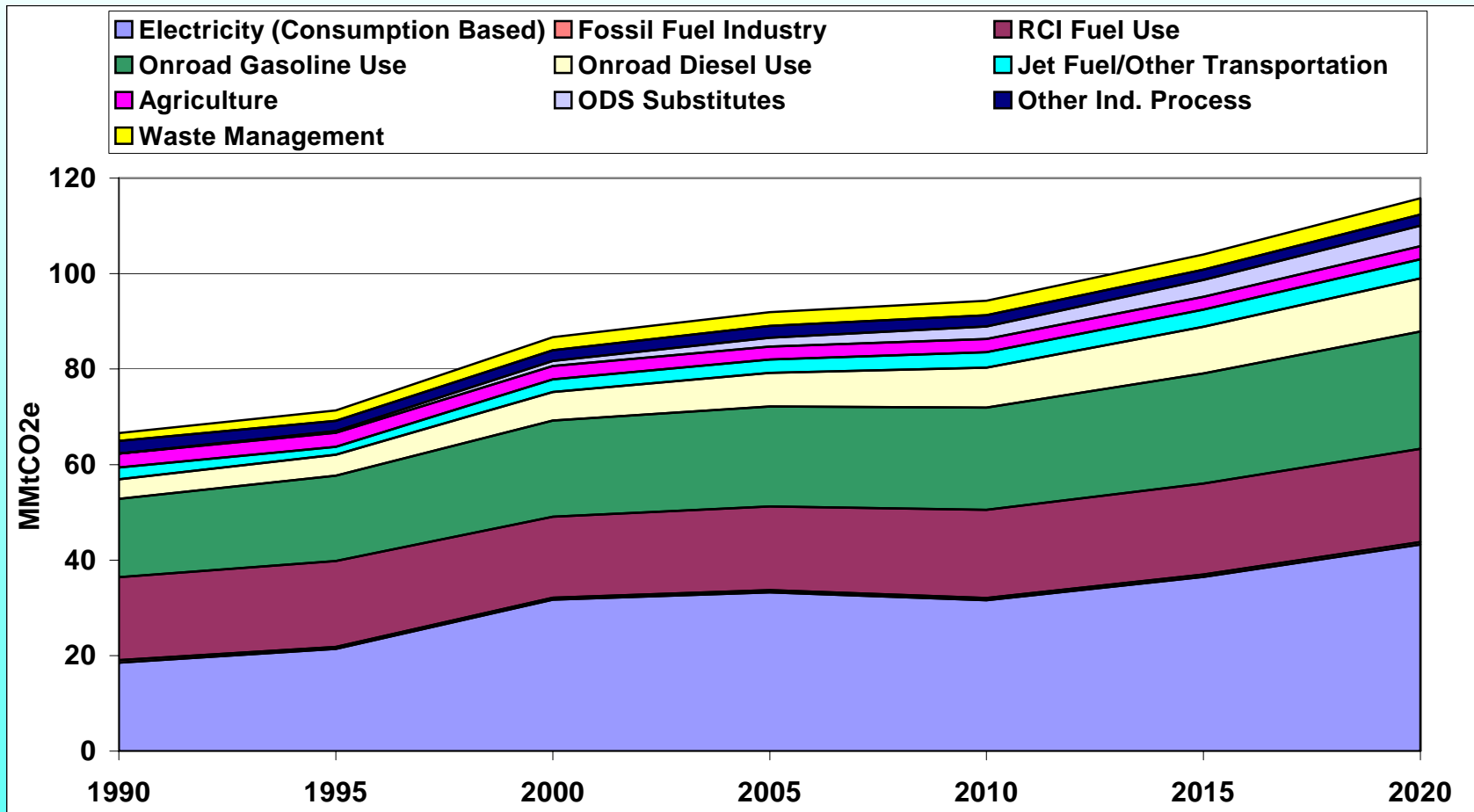
## **Scheduled TWG Meetings:**

- Meeting #10: Thursday, March 6, 2008
- Meeting #11: Thursday, April 17, 2008 (if necessary)
  - Meeting Time: 10:00 am – 11:00 am (Waste Management)
  - Meeting Time: 2:00 pm – 4:00 pm (Agriculture and Forestry)

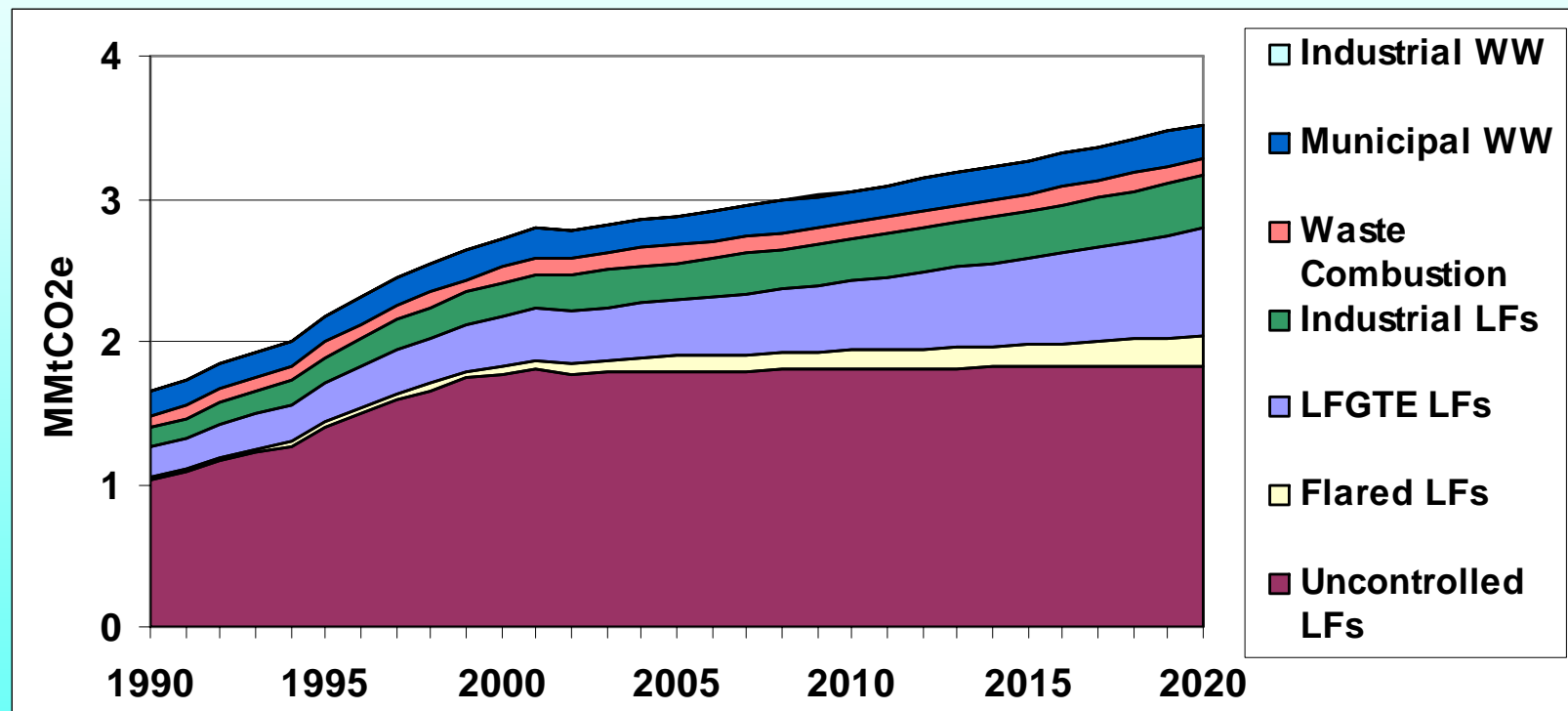
# Draft GHG Inventory & Forecast

- AFW appendices posted on website

# South Carolina Gross GHG Emissions By Sector, 1990-2020



# Waste Management



# Waste Management

- Data sources
  - EPA Landfill Methane Outreach Program Database
  - Additional landfill data provided by SCDHEC
  - SCDHEC data on waste combustion and wastewater (WW) flows for fruit/vegetable processing
  - State population and SGIT default data for municipal WW treatment
- Methods
  - SGIT with data sources above
  - CCS post-processing to account for controls and growth

# Waste Management

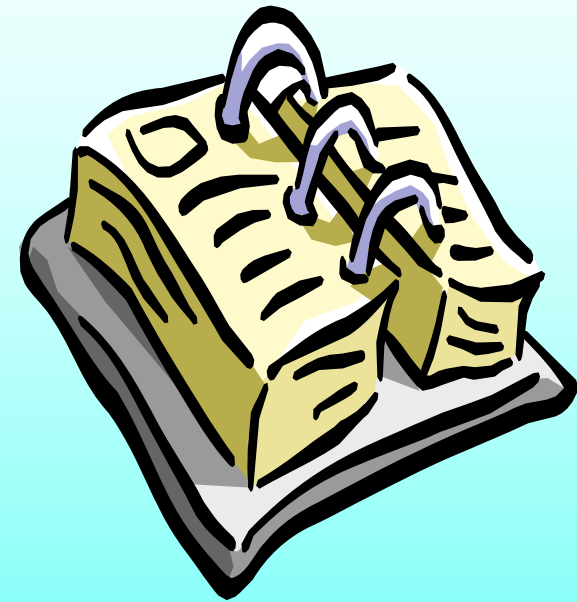
- Key Assumptions
  - Growth Rates
    - Landfills – based on historic emissions growth (2000-2005)
    - Industrial WW – based on historic emissions growth (1990-2005)
    - Municipal WW – SC population projections
- Key Uncertainties
  - Future controls applied to uncontrolled landfills
  - Industrial landfills
    - SGIT default of 7% of municipal landfills
  - Industrial WW
    - Growth for food/vegetable processing

# Next Steps

- Work with CCS to develop baseline data and establish quantification methodology.
- Submit text for Policy Options Document.

# Next TWG Meeting

- Date and Time
  - Next Scheduled: March 6, 2007; 10:00AM to 11:00 AM.
- Future Meetings
  - CECAC: Feb. 22, May 9
  - AFW TWG: March 6, April 17
- Agenda:
  - Review initial quantification of costs and benefits.
  - Review of CECAC Comments.



# Public Input, Announcements